

# POSTER SESSIONS & PAPER TITLES

Monday, December 5 • Poster Session I

Monday AM: Posters in Poster Session I go up

Monday PM: Poster Session I as scheduled

Note\* - Session I posters to be removed by noon on Wednesday

## KEPLER MISSION AND EXOPLANET STATISTICS

- P0101 Adaptive Optics Images of Kepler Objects of Interest • Elisabeth Adams
- P0102 The NASA Exoplanet Archive and Support for the Kepler Science Community • Rachel Akeson
- P0103 Radial Velocity Follow-up of CoRoT Transiting Candidates with HARPS • Francois Bouchy
- P0104 Measuring the Rate of Non-Planetary Background Transit Events in Kepler Data • Steve Bryson
- P0105 Efficient Formation of Terrestrial Planets around Low-metallicity Stars Inferred from Kepler Data • Lars Buchhave
- P0106 The Search for Jupiter Analogs in Kepler's First Three Quarters • Jennifer Bur
- P0107 Linear and Nonlinear Noise Reduction Techniques for Kepler Data • Derek Buzasi
- P0108 Transit Verification Photometry with the Faulkes - North Telescope, Hawaii • Emily Chang
- P0109 Photometric Analysis in the Kepler Science Operations Center Pipeline • Bruce Clarke
- P0110 Vetting Kepler Planet Candidates with Multi-Color Photometry from the Gran Telescopio Canarias • Knicole Colon
- P0111 Detecting Circumbinary Planets by Eclipse Echo • Laurance Doyle
- P0112 Statistics of Neptune-mass Planets and Super-Earths in a Quiescent-disk Planet Formation Model • Paul Estrada
- P0113 The Case for M Dwarf Stars in the Kepler Field • Eric Gaidos
- P0114 Transiting planets search and characterization with the SOPHIE spectrograph at OHP • Guillaume Hebrard
- P0115 Safronov Numbers for Transiting Exoplanets • John Hodgson II
- P0116 Kepler 21b - Kepler's Brightest Host Star Harbors a 1.6 R<sub>Earth</sub> Planet • Steve Howell
- P0117 Dynamic Black-Level Correction and Artifact Flagging for Kepler Pixel Time Series • Jeffery Kolodziejczak
- P0118 Transit Model Fitting in the Kepler Science Operations Center Pipeline • Jie Li
- P0119 To Be or Not To Be (a Planet)? Lucky-Imaging for Kepler Host Candidates • Jorge Lillo-Box
- P0120 Extraction of low-SNR signals from Kepler light curves by virtue of the KLT • Claudio Maccone
- P0121 They Might Be Giants: the Luminosity Class of Late-type Kepler Targets • Andrew Mann
- P0122 Exploiting the Accuracy of Kepler: Discovery of the Hottest Largest Exoplanet • Dimitris Mislis
- P0123 Detection and Correction of Step Discontinuities in Kepler Light Curves • Robert Morris
- P0124 Investigating the Planet-Metallicity Correlation with Kepler • Timothy Morton
- P0125 Planet Frequency as a Function of Stellar Mass in a Quiescent-disk Planet Formation Model • Ignacio Mosqueira
- P0126 A Revised Effective Temperature Scale for the Kepler Input Catalog • Marc Pinsonneault
- P0127 Empirical Constraints on Planet Migration Halting Mechanisms • Peter Plavchan
- P0128 Calibration in the Kepler Science Operations Pipeline • Elisa Quintana
- P0129 SOPHIE Velocimetry and Independent Establishment of Kepler Transit Candidates • Alexandre Santerne
- P0130 A Robust Detection Statistic And Its Implementation In The Transiting Planet Search Software • Shawn Seader
- P0131 Studying Orbital Photometry of Kepler Objects of Interest • Avi Shporer
- P0132 Wavelet-Based Band Splitting for Improved Systematic Error Correction and Noise Reduction in Kepler Light Curves • Martin Stumpe
- P0133 Kepler: An Astrometric Mission to Detect Giant Planets and Brown Dwarfs around Nearby Stars? • Angelle Tanner
- P0134 Application of Wavelet-Based Analysis in the Transiting Planet Search Algorithm • Peter Tenenbaum
- P0135 Overview of the Transiting Planet Search Software in the Kepler Analysis Pipeline • Peter Tenenbaum
- P0136 Terrestrial, Habitable-Zone Exoplanet Frequency from Kepler • Wes Traub
- P0137 Difference Imaging for Automated Validation of Planet Candidates in the Kepler Science Operations Center Pipeline • Joseph Twicken
- P0138 New Directions in Kepler Corrections • Jeffrey Van Cleve

## EARTH ANALOG AND SUB-NEPTUNE-SIZE PLANETS

- P0201 Estimating the Distribution of Habitable Surface Area in the Solar Neighborhood • Ruslan Belikov
- P0202 The Occurrence Rate of Earth Analog Planets Orbiting Sun-like Stars • Joseph Catanzarite

- P0203 Searching for Evidence of a Magnetic Field in the Exotic Super-Earth 55 Cancri e • Diana Dragomir
- P0204 Spitzer Evidence for a Planet-Driven Late Heavy Bombardment in &#951; Corvi at ~1 Gyr • Carey Lisse
- P0205 Transit Spectroscopy of sub-Neptune-sized Planets GJ1214b and HD97658b with HST WFC3 • Peter McCullough
- P0206 Carmenes: A Radial-Velocity Survey for Terrestrial Planets in The Habitable Zones of M Dwarfs • Andreas Quirrenbach
- P0207 An astronomical criterion for association of the four fundamental interactions • Murat Zhussupov

## MULTIPLE PLANET SYSTEMS

- P0301 Exoplanet Migration and the Distribution of Period Ratios in Multiple Planet Systems • Katherine Deck
- P0302 Predicting Planets in Kepler Candidate Multi-Planet Systems • Julia Fang
- P0303 A new analysis of WASP-3b • Marco Montalto
- P0304 The TASTE Project: a ground-based search for Transit Time Variations • Valerio Nascimbeni

## EXOPLANET THEORY

- P0401 Spin-orbit Alignment of Transiting Planetary Systems from RM Effect Observations Using CYCLOPS • Brett Addison
- P0402 Orbital Migration Models of Earths and Super-Earths • Gennaro D'Angelo
- P0403 THERMAL EVOLUTION AND MASS LOSS OF WATER-RICH SUPER-EARTHS • Kenji Kurosaki
- P0404 The Habitable Exoplanets Catalog: An Extensive Quantitative Assessment of the Habitability of Exoplanets • Abel Mendez
- P0405 Planet Migration Towards Destruction: Distribution Evolution and Roche Lobe Overflow • Stuart Taylor
- P0406 Protoplanetary Disk Resonances and Type I Migration • David Tsang

## GIANT PLANETS AND PLANET ATMOSPHERES

- P0501 Kepler-15b: A Hot Jupiter Enriched In Heavy Elements And The First Kepler Mission Planet Confirmed With The Hobby-Eberly Telescope • Michael Endl
- P0502 The Connection Between Solar- and Extrasolar- Giant Planets • Ravit Helled
- P0503 Near-Infrared Spectroscopic View of GJ1214b • Valentin Ivanov
- P0504 Constraints on Exoplanet Transit Observations Using JWST NIRSpec • Douglas Long
- P0505 The Effect of Exotic Clouds on the Transmission Spectra of Transiting Super-Earths • Caroline Morley
- P0506 Refraction of Light in Exoplanet Atmospheres • Taishi Nakamoto
- P0507 On atmospheric temperature inversions and the sizes of exoplanets • Vivien Parmentier

Tuesday, December 6 • Monday's posters will remain up for viewing

Wednesday, December 7 • Poster Session II

Wednesday after 1:00 PM & Thursday AM: Posters in Poster Session II go up

## ECLIPSING AND INTERACTING BINARIES

- P0601 Doppler beaming and Romer delay versus ellipsoidal modulation in the Kepler data of KOI-74 • Steven Bloemen
- P0602 A very precise age for the old metal-rich open cluster NGC6791 • Karsten Brogaard
- P0603 Low-Mass Eclipsing Binaries from Kepler: Reaching the Natural Rotation Rate of M and K Dwarfs • Jeffrey Coughlin
- P0604 Radial Velocity follow-up of Kepler Eclipsing Binaries on the Hobby-Eberly Telescope • Rohit Deshpande
- P0605 The Low-Mass, Stellar Mass-Radius Relationship • Gregory Feiden
- P0606 APOGEE Near-IR Radial Velocity Measurements of Kepler Eclipsing Binaries • Scott Fleming
- P0607 Cataclysmic Variables in the Super Metal-Rich Cluster NGC 6791 • Peter Garnavich
- P0608 KIC 4544587: An Asteroseismically Interesting, Eccentric, Short Period Binary • Kelly Hambleton
- P0609 Advanced Analysis of Surface Features on Active Close Binaries • Geraldine Peters
- P0610 Two Unusual Binaries in the Old, Metal-Rich Open Cluster NGC 6791 • Ruth Peterson
- P0611 Kepler Observations of the SU UMa Cataclysmic Variables V344 Lyr, V1504 Cyg, and V447 Lyr • Mat Wood

## STELLAR ACTIVITY AND ROTATION

- P0701 The Exact Solution of The Pioneer Anomaly According to The General Theory of Relativity and The Hubble's Law • Azzam AlMosallami
- P0702 Surveying Magnetic Activity On Late-Type Stars: Starspot Rotational Modulation And Evolution And Other Temporal Variability In KEPLER Photometry • Alexander Brown
- P0703 Rotation of Cluster Dwarfs and Spectroscopic Diagnostics • Andrea Dupree

## POSTER SESSIONS

- P0704 Cycle 1 Observations of Low Mass Stars: New Eclipsing Binaries, Single Star Rotation Rates, and the Nature and Frequency of Starspots • Thomas Harrison
- P0705 The Flaring Activity of the M Dwarf GJ 1243 • Suzanne Hawley
- P0706 Using Kepler Data To Characterize the Flare Properties of GK Stars • Adam Kowalski
- P0707 Statistics of Stellar Variability in Kepler Data with ARC Systematics Removal • Amy McQuillan
- P0708 Impact of magnetic field on oscillation frequencies of solar-type stars • Laurent Piau
- P0709 Differential Rotation in Kepler Open Cluster Stars • Steven Saar
- P0710 Stellar variability from DASCH vs. Kepler Data • Sumin Tang
- P0711 Stellar Differential Rotation Estimates from Planetary Transits • Ariana Valio

## ASTEROSEISMOLOGY

- P0801 Kepler & Blazhko Effect: mission (im)possible? • Merieme Chadid
- P0802 Asteroseismic Analysis of Two Sun-like Kepler Subgiants: KIC11395018 and KIC10920273 • Gulnur Dogan
- P0803 Asteroseismology of HAT-P-7: impact on the characterisation of its exoplanet companion • Ahmed Grigahcene
- P0804 The Frequency Spectra of B Stars in Kepler • Jean McKeever
- P0805 Are the constant Kepler A-stars chemically peculiar? • Simon Murphy
- P0806 Spectroscopic and photometric observations of large sample of the Kepler targets • Marek Steslicki
- P0807 Standard Photometry of Kepler Asteroseismic Targets • Marek Steslicki

## RED GIANT OSCILLATIONS

- P0901 A Cycle 2 Study of RV Tauri and Semi-Regular Variable Using Kepler • Jennifer Cash
- P0902 Granulation properties in red giants observed by Kepler • Savita Mathur

## EXTRAGALACTIC AND OTHER ASTROPHYSICS, AND EPO

- P1001 Kepler Data Analysis Tools Developed by the Guest Observer Office • Thomas Barclay
- P1002 Recent Operational Improvements to High Precision Photometric Observations with Warm IRAC • Sean Carey
- P1003 Kepler Observations of II ZW 229.015 • Michael Carini
- P1004 Kepler and the Next Generation: Effective Application of Education/Public Outreach in the High School Science Classroom • Nicoline Chambers
- P1005 Follow-up of the WTS/RoPACS candidates: detection of false positives • Patricia Cruz
- P1006 Searching for Earth's Twin and STEM Education--the Kepler Mission's Education and Public Outreach Program • Edna DeVore
- P1007 A UBV Photometric Survey of the Kepler Field • Mark Everett
- P1008 Extragalactic Science with Kepler • Michael Fanelli
- P1009 EChO: An exoplanetary mission under study • Kate Isaak
- P1010 ATMOSPHERE: Origin Of Atmosphere & Space Pollution (Aerosols, Clouds, Water Cycle) and study of key sources of satellites, Space Shuttle & Rockets • Adil Khan
- P1011 Atmospheric Pollution - A cause study of Air plane Space Shuttle & Rockets Pollution & Space disaster • Adil Khan
- P1012 Selecting New Variable Star Targets from the Kepler Full Frame Image Variability Catalog • Karen Kinemuchi
- P1013 Science from Kepler Collateral Data: 50 ksec/year from 13 million stars • Jeffery Kolodziejczak
- P1014 Kepler Science Operations Software Infrastructure • Sean McCauliff
- P1015 Using Multicolor Photometry to Confirm Transiting Planet Candidates • Hannu Parviainen
- P1016 Demystifying Kepler Data: A Beginner's Guide • Joshua Pepper
- P1017 A deep, high cadence photometric survey of the Kepler field • Gavin Ramsay
- P1018 Removing the Noise While Preserving the Signal - An Empirical Bayesian Approach to Kepler Light Curve Systematic Error Correction • Jeffrey Smith
- P1019 Celestial orbits: new theory • Necat Tasdelen
- P1020 A search for ultracool dwarfs in the Kepler field • Ramarao Tata
- P1021 A Comparison of the Characteristics of the Central Stars of M57 and NGC 6826 • Paul Temple
- P1022 Dynamics Of Protoplanetary Disks In Stellar Cluster • Santiago Rodriguez Torres
- P1023 Zodiacal Dust Bands Observed In The Kepler Background • Jeffrey Van Cleve
- P1024 Understanding Quasar Variability Through Kepler • Ann Wehrle

Thursday, December 8. PM • Poster Session II

Friday, December 9, PM: all Poster Session II posters removed